Agricultural Waste Management

Audubon County, Iowa

and soil name	Pct. of map unit	of manure and food- map processing waste		Application of sewage sludge 		Disposal of wastewater by irrigatior	1
	 			Rating class and limiting features			
1C3: Ida	 94 	 Not limited 	 	 Not limited 	 	 Somewhat limited Too steep for surface application Too steep for sprinkler application	0.91
7B: Wiota	 100 	•	 0.02 	 Somewhat limited Too acid 	 0.07 	 Somewhat limited Too acid Too steep for surface application	 0.07 0.01
8B: Judson	 95 	 Not limited 	 	 Not limited 	 	 Somewhat limited Too steep for surface application	 0.08
8C: Judson	 100 	 Not limited 	 	 Not limited 	 	 Somewhat limited Too steep for surface application Too steep for sprinkler application	 0.91 0.02
9: Marshall	 95 	 Not limited 	 	 Not limited 		 Not limited 	
9B: Marshall	 90 	 Not limited 	 	 Not limited 	i I	 Somewhat limited Too steep for surface application	 0.08
9B2: Marshall	90 	 Not limited 	 	 Not limited 	 	 Somewhat limited Too steep for surface application	0.08
9C: Marshall	92	 Not limited	 	 Not limited		 Somewhat limited	

Audubon County, Iowa

Map symbol and soil name	Pct. of map unit	manure and food processing was	Application of sewage sludg	ge .	Disposal of wastewater by irrigation	ı	
	 	 Rating class and limiting features 		Rating class and limiting features		 Rating class and limiting features 	Value
	 	 	 	 		Too steep for surface application Too steep for sprinkler application	 0.91 0.02
9C2: Marshall	 90 	 Not limited 	 	 Not limited 		 Somewhat limited Too steep for surface application Too steep for sprinkler application	 0.91 0.02
9D2: Marshall	 90 		 0.63 	 Somewhat limited Slope 	 0.63 	 Very limited Too steep for surface application Too steep for sprinkler application	 1.00 0.77
9E2: Marshall	92	=	 1.00 	 Very limited Slope 	 1.00 	 Very limited Too steep for surface application Too steep for sprinkler application	 1.00 1.00
9E3: Marshall	 92 	-	 1.00 	 Very limited Slope 	 1.00 		 1.00 1.00
11B: Judson	33	, Not limited		 Not limited		 Somewhat limited	i

Audubon County, Iowa

and soil name	Pct. of map unit	manure and food processing was	-	Application of sewage sludg 	re	Disposal of wastewater by irrigatior	1
	 	Rating class and limiting features		Rating class and limiting features			
	 	 		 		Too steep for surface application	10.08
Colo	30	 Very limited Depth to saturated zone 	11.00	Very limited Depth to saturated zone 		Very limited Depth to saturated zone Too steep for surface application	11.00
Ackmore	25 	Depth to saturated zone	11.00	 Very limited Flooding Depth to saturated zone 		Very limited Depth to saturated zone Flooding Too steep for surface application	 1.00 0.60 0.08
24C3: Shelby	 95 	Restricted	0.30	 Somewhat limited Restricted permeability	0.22	 Somewhat limited Too steep for surface application	 0.91
	 	Too acid 	0.02 	Too acid 	0.07 	Restricted permeability Too acid Too steep for sprinkler application	0.22 0.07 0.02
24D2: Shelby	 90 			 Somewhat limited Slope 	0.63 	 Very limited Too steep for surface application	 1.00
	 	permeability 	0.30 0.02	Restricted permeability Too acid		Too steep for sprinkler application	0.77 0.22 0.07
24D3: Shelby	 90	 Somewhat limited	 	 Somewhat limited	 	 Very limited	

Audubon County, Iowa

and soil name	Pct. of map unit	manure and food processing was	Application of sewage sludg 		Disposal of wastewater by irrigation	1	
	 	Rating class and limiting features		Rating class and limiting features			
		 Slope 	10.63	 Slope 	 0.63 	Too steep for surface application	1.00
	i i	Restricted permeability	0.30	Restricted permeability	0.22	Too steep for sprinkler	0.77
	 	 Too acid 	0.02	 Too acid 	0.07	application Restricted permeability Too acid	0.22 0.07
24E3:		 		 	1	 	1
Shelby	 95 	Very limited Slope	11.00	Very limited Slope		Very limited Too steep for	11.00
		 	 	 		surface application	
		Restricted permeability	10.30	Restricted permeability	10.22	Too steep for sprinkler	11.00
	 	 Too acid 	10.02	 Too acid 	0.07	application Restricted permeability	10.22
	i I	; 	i I	 -	i i	Too acid	0.07
24F3: Shelby	 95	 Very limited Slope		 Very limited Slope		 Very limited Too steep for	 1.00
	 					surface application	
	 	Restricted permeability	0.30	Restricted permeability		Too steep for sprinkler	11.00
	 	 Too acid 	10.02	 Too acid 	0.07	application Restricted permeability	10.22
	 	 	i I	 	i I	Too acid	0.07
54: Zook		Restricted	11.00	Depth to	11.00	 Very limited Depth to	11.00
	 	permeability Depth to saturated zone	11.00	saturated zone Flooding 	11.00	saturated zone Restricted permeability	11.00
	İ İ	Flooding	0.60	Restricted permeability	11.00		0.60
		Leaching limitation	0.50 	 		 	
71D:		 		 		 	
Dickman	58	Very limited		Very limited		Very limited	I

Audubon County, Iowa

Map symbol and soil name	Pct. of map unit	manure and food processing was	_	Application of sewage sludg	re	Disposal of wastewater by irrigation	ı
		 Rating class and limiting features 		Rating class and limiting features		=	
		 Filtering capacity	11.00	 Filtering capacity	11.00	Too steep for surface application	11.00
	i i	Slope 	0.63	Slope	0.63		11.00
	 	Leaching limitation	0.45	Droughty	0.27		0.77
		Droughty Too acid	0.27		0.14	= =	0.27
Marshall	 - 38 	 Somewhat limited Slope 	 0.63 	 Somewhat limited Slope 	 0.63 	 Very limited Too steep for surface application Too steep for sprinkler application	 1.00 0.77
93D2: Shelby	 - 55 	 Somewhat limited Slope	0.63	 Somewhat limited Slope	0.63	 Very limited Too steep for surface	11.00
		Restricted permeability	0.30	 Restricted permeability	0.22	application Too steep for sprinkler	10.77
		 Too acid 	0.02	Too acid 	0.07	application Restricted permeability Too acid	 0.22 0.07
Adair	 - 40 	 Very limited Restricted permeability 	 1.00 	 Very limited Restricted permeability	 1.00 	 Very limited Too steep for surface application	 1.00
		Depth to saturated zone Slope	11.00	saturated zone	11.00	Restricted permeability	1.00 1.00 0.77
93D3: Shelby	 - 55 	 Somewhat limited Slope 	 0.63 	 Somewhat limited Slope 	0.63	 Very limited Too steep for surface application	11.00

Audubon County, Iowa

± ±	Pct. of map unit	manure and food processing was	_	Application of sewage sludg	e	Disposal of wastewater by irrigation 	
				Rating class and limiting features			
	 	Restricted permeability	0.30	Restricted permeability	10.22	 Too steep for sprinkler application	 0.77
	 	Too acid	0.02 	Too acid	0.07 		0.22 0.07
Adair	 40 	· •		 Very limited Restricted permeability 		 Very limited Too steep for surface application	 1.00
		Depth to saturated zone	1.00 	saturated zone	İ	Restricted permeability	1.00
	 	Slope 	0.63 	Slope - -	0.63 	Depth to saturated zone Too steep for sprinkler application	1.00 0.77
93E2: Shelby	 60 	-		 Very limited Slope		 Very limited Too steep for surface	11.00
		 Restricted permeability	0.30	 Restricted permeability	0.22	application Too steep for sprinkler	11.00
	 	 Too acid 	 0.02 	 Too acid 	 0.07 	application Restricted permeability Too acid	 0.22 0.07
Adair	 35 	 Very limited Restricted permeability		 Very limited Restricted permeability	1.00	 Very limited Too steep for surface	 1.00
		 Slope 	11.00	 Slope 	İ	application Too steep for sprinkler	11.00
	 	 Depth to saturated zone 	11.00	 Depth to saturated zone 		application Restricted permeability Depth to saturated zone	1.00 1.00
93E3: Shelby	 60 	 Very limited Slope 	 1.00	 Very limited Slope 		 Very limited Too steep for surface application	1 1 1 1 1 1 1 1 1 1

Audubon County, Iowa

and soil name	Pct. of map unit	manure and food processing was	_		Application of sewage sludge		1
	 	 Rating class and limiting features 				Rating class and limiting features	
	 	 Restricted permeability	10.30	 Restricted permeability	10.22	•	 1.00
	 	Too acid 	0.02 	Too acid 	0.07 	Restricted permeability Too acid	0.22 0.07
Adair	 38 	•		 Very limited Restricted permeability 	 1.00 	 Very limited Too steep for surface application	 1.00
		Slope 	11.00	Slope	11.00		11.00
	 	 Depth to saturated zone 	1.00	Depth to saturated zone 	1.00		11.00
99c2: Exira	95 		 0.03 	 Somewhat limited Too acid 	 0.14 	surface application Too acid	 0.91 0.14 0.02
99D2: Exira	 95 		 0.63	 Somewhat limited Slope 	0.63	 Very limited Too steep for surface	1 1.00
	 	 Too acid 	10.03	 Too acid 	 0.14 	sprinkler application	 0.77 0.14
99D3: Exira	 95 	 Somewhat limited Slope	1 1 1 1 1 1 1 1 1 1	 Somewhat limited Slope	 0.63	•	0.14 1.00
	 	 Too acid 	10.03	 Too acid 	 0.14 	surface application Too steep for sprinkler application	 0.77

Audubon County, Iowa

Map symbol and soil name	Pct. of map unit	manure and food processing was	l-	Application of sewage sludg 	e	Disposal of wastewater by irrigation	
	 			Rating class and limiting features			
		 	 	 		Too acid	0.14
99E2: Exira	 95 			 Very limited Slope 		 Very limited Too steep for surface	 1.00
		 Too acid 	 0.03 	 Too acid 	 0.14 	application Too steep for sprinkler application Too acid	 1.00 0.14
133: Colo	 100 100 	Depth to Saturated zone Leaching limitation	11.00	 	1.00 	Too defu 	11.00
179E: Gara	 96 			 Very limited Slope 	 1.00	surface	 1.00
	 	 Restricted permeability 	0.30	Restricted permeability		application Too steep for sprinkler application Restricted permeability	 1.00 0.22
179F: Gara	 96 		 1.00 	 Very limited Slope 		 Very limited Too steep for surface application	 1.00
	 	Restricted permeability I I	0.30	Restricted permeability		Too steep for sprinkler application Restricted permeability	1.00 0.22
179G: Gara	 96 	 Very limited Slope 	 1.00 	 Very limited Slope 	 1.00 	 Very limited Too steep for surface application	 1.00

Audubon County, Iowa

Map symbol and soil name	Pct. of map unit	manure and food processing was	_	Application of sewage sludg	е	Disposal of wastewater by irrigatior 	1
	 	Rating class and limiting features		Rating class and limiting features		Rating class and limiting features	Value
	 	Restricted permeability	0.30	Restricted permeability I	0.22 0.22 	Too steep for sprinkler application Restricted permeability	 1.00 0.22
192c2: Adair	 95 	permeability	 1.00 1.00 	permeability	 1.00 1.00 	permeability	 1.00 1.00 0.91 0.02
192D2:		 		 		 	
Adair	98 	Very limited Restricted permeability 	 1.00 	Very limited Restricted permeability	11.00	Very limited Too steep for surface application	 1.00
	 	saturated zone	1.00 0.63 	saturated zone	1.00 0.63 	Restricted permeability	1.00 1.00 0.77
192D3: Adair	 95 	permeability Depth to saturated zone	 1.00 1.00 1.00 0.63	permeability Depth to saturated zone	 1.00 1.00 1.00 0.63	surface application Restricted permeability	 1.00 1.00 1.00 0.77
212: Kennebec	 95	 Somewhat limited		 Very limited	 	 Somewhat limited	

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Map symbol and soil name	Pct. of map unit	manure and food- processing was	-	Application of sewage sludg 		Disposal of wastewater by irrigation 	1
	 	 Rating class and limiting features 		 Rating class and limiting features 		Rating class and limiting features	
	 	 Flooding	0.60	 Flooding	11.00	 Flooding	10.60
220: Nodaway	 - 95 			 Very limited Flooding 	 1.00	 Somewhat limited Flooding 	 0.60
222D2: Clarinda	 92 	Restricted permeability		 Very limited Restricted permeability Depth to saturated zone	1.00 	 Very limited Restricted permeability Too steep for surface application	 1.00 1.00
		Slope Runoff limitation	0.63		İ	Depth to saturated zone	11.00
		 Too acid 	 0.02 	 		application Too acid 	10.07
248: Wabash		Restricted permeability Depth to saturated zone Flooding Runoff limitation	1.00 1.00 0.60		1.00 	•	 1.00 1.00 0.60 0.07
268C: Knox	- 100	 Not limited 	 	 Not limited 		surface	 0.91
		 	 	 	 	application Too steep for sprinkler application 	 0.02
268D: Knox	 95 	 Somewhat limited Slope 	 0.63 	 Somewhat limited Slope 	 0.63 	 Very limited Too steep for surface application Too steep for sprinkler	 1.00 0.77

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Map symbol and soil name	Pct. of map	manure and food processing was	Application of manure and food- processing waste		ie	Disposal of wastewater by irrigation	
		Rating class and limiting features		Rating class and limiting features		Rating class and limiting features	Value
268E: Knox	 - 95 	 Very limited Slope 	 1.00 	 	 1.00 	 Very limited Too steep for surface application Too steep for sprinkler application	 1.00 1.00
268F: Knox	 - 95 	 Very limited Slope 	 1.00 	 Very limited Slope 	 1.00 	 Very limited Too steep for surface application Too steep for sprinkler application	1.00
273C: Olmitz	 - 100 	 Not limited 		 Not limited 			 0.91 0.02
370B: Sharpsburg	 - 100 	 Somewhat limited Restricted permeability Too acid 	10.30	permeability	 1 0.22 1 0.07 1 1	permeability	 0.22 0.08 0.07
370B2: Sharpsburg	 - 95 	 Somewhat limited Restricted permeability Too acid 	 1 0.30 1 0.02 1	permeability	 10.22 0.07 	permeability	 0.22 0.08 0.07
370C: Sharpsburg	 - 96	 Somewhat limited	 	 Somewhat limited	 	 Somewhat limited	

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Map symbol and soil name	Pct. of map unit	manure and food processing was	Application of sewage sludg 	re	Disposal of wastewater by irrigation 		
	 	Rating class and limiting features		Rating class and limiting features		Rating class and limiting features	Value
		Restricted permeability	10.30	Restricted permeability	10.22	Too steep for surface application	0.91
		 Too acid 	0.02	Too acid 	0.07	Restricted permeability Too acid Too steep for sprinkler	0.22 0.07 0.02
370C2:	 	 	 	 	 	application 	
Sharpsburg	95 	Somewhat limited Restricted permeability	10.30	Somewhat limited Restricted permeability	 0.22 	Somewhat limited Too steep for surface application	 0.91
	 	Too acid	0.02	Too acid	0.07	Restricted permeability Too acid Too steep for sprinkler application	0.22 0.07 0.02
370D2: Sharpsburg	 96 	 Somewhat limited Slope 	10.63	 Somewhat limited Slope	0.63	surface	1 1.00
	 	 Restricted permeability 	0.30	Restricted permeability	 0.22 	application Too steep for sprinkler application	0.77
	 	Too acid 	0.02	Too acid 	0.07		0.22 0.07
430: Ackmore	 98 	 Very limited Depth to saturated zone Flooding 	11.00	İ	1.00	saturated zone	1.00
509: Marshall	95	 Not limited	 	 Not limited	 	 Not limited	
509B: Marshall	95	 Not limited		 Not limited		 Somewhat limited	

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Map symbol and soil name	Pct. of map unit 	manure and food- processing waste		 Application of sewage sludge 		Disposal of wastewater by irrigation 	
		Rating class and limiting features		Rating class and limiting features			
	 	 	 	 		Too steep for surface application	0.08
509C2: Marshall	 95 	 Not limited 	 	 Not limited 		 Somewhat limited Too steep for surface application Too steep for sprinkler application	 0.91 0.02
822D2: Lamoni	 100 	 Very limited Restricted permeability Depth to saturated zone Slope	 1.00 1.00 1.00 	permeability Depth to saturated zone	 1.00 1.00 0.63	surface application Restricted permeability Depth to	 1.00 1.00 1.00
	 	 Too acid 	 0.01 	 Too acid 	 0.01 	saturated zone Too steep for sprinkler application Too acid	 0.77 0.01
980G: Gullied Land	 80 	 Not rated 	 	 Not rated 		 Not rated 	
Judson	 15 15 	 Not limited 	 	 Not limited 		 Somewhat limited Too steep for surface application Too steep for sprinkler application	0.91
5010: Pits	 100	 Not rated 		 Not rated 	 	 Not rated 	

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Map symbol and soil name	Pct. of map unit	manure and food- processing waste		Application of sewage sludge 		Disposal of wastewater by irrigation	
	 	Rating class and limiting features		Rating class and limiting features		Rating class and limiting features	Value
5040: Orthents	 95 	 Not rated 		 Not rated 		 Not rated 	
W: Water	 - 100 	 Not rated 		 Not rated 		 Not rated 	